

Syllabus		
Expt No	Exercises	Mapped CO
1.	Apply Data preprocessing techniques.	CO1-CO5
2.	Construct a Regression model using Supervised learning method.	CO1-CO5
3.	Construct a Classification model using Supervised learning method.	CO1-CO5
4.	Construct a machine learning model using Unsupervised partition clustering method.	CO1-CO5
5.	Construct a machine learning model using Unsupervised hierarchical clustering method.	CO1-CO5
6.	Construct a machine learning model for Association analysis.	CO1-CO5
7.	Apply Reinforcement learning technique to build an application.	CO1-CO5

Learning Resources
Text Books
1. Introduction to Machine Learning with Python Andreas C Muller & Sarah Guido First Shroff Publishers 2019 2. Introduction to Machine Learning, Ethem Alpaydin, Second Edition, 2010, Prentice Hall of India. 3. Machine Learning, Anuradha Srinivasaraghavan, and Vincy Joseph, Kindle Edition, 2020, WILEY.
References
1. Machine Learning by Tom M. Mitchell, International Edition 1997, McGraw Hill Education. 2. Machine Learning a Probabilistic Perspective, Kevin P Murphy & Francis Bach, First Edition, 2012, MIT Press. 3. Introduction to Data Mining, Tan, Vipin Kumar, Michael Steinbach, 9 th Edition, 2013, Pearson 4. “Deep Learning”, Ian Goodfellow, Yoshua Bengio, Aaron Courville, 2016, MIT Press.
e- Resources & other digital material
1. https://www.coursera.org/learn/machine-learning-with-python 2. https://nptel.ac.in/courses/106/106/106106139/